به نام خدای آزادی و شادی

تمرین شماره ۷ مدرسه MLOps فیلاگر / رسول وحدتی

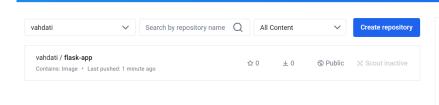
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rasool@ubuntuserver1:~/exercise_07\$ docker tag flask-app:latest vahdati/flask-app:latest
rasool@ubuntuserver1:~/exercise_07\$ docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organizations using \$
\$50. Learn more at https://docs.docker.com/go/access-tokens/
Username: vahdati
Password:
WARNING! Your password will be stored unencrypted in /home/rasool/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credential-stores

Login Succeeded
rasool@ubuntuserver1:~/exercise_07\$ docker push vahdati/flask-app:latest
The push refers to repository [docker.to/vahdati/flask-app]
fc277cd32013: Pushed
e61dec46f73: Pushed
bba44bf37819: Pushed
bba44bf37819: Pushed
bba44bf37819: Pushed
foiledef6736: Mounted from library/python
de1ede42bbc: Mounted from library/python
de61ede452bc: Mounted from library/python
de61ede452bc: Mounted from library/python
latest: digest: sha256:d631cf8fda3940fda31e4bea347fab040be4194eb9a576e8a9aa015fdeb25ca6 size: 1994
rasool@ubuntuserver1:~/exercise_07\$

Acceptable for the fire for the form fire form library/python
latest: digest: sha256:d631cf8fda3940fdda31e4bea347fab040be4194eb9a576e8a9aa015fdeb25ca6 size: 1994
rasool@ubuntuserver1:~/exercise_07\$



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```
POSITORY TAG IMAGE ID CREATED
hdati/flask-app latest 9f03e99be78d 29 minutes ago
sool@ubuntuserver1:~$ docker pause flask-app
     ladountuserveri: $ decker pasas
ol@ubuntuserveri: $ docker ps -a
COMMAND
iebf2353 vahdati/flask-app "python app.py"
ib7a77cf vahdati/flask-app "python app.py"
                                                                                                  CREATED
53 seconds ago
3 minutes ago
                                                                                                                                                                                                   PORTS
0.0.0.0:5000->5000/tcp, :::5000->5000/tcp
                                                                                                                                   Up 52 seconds (Paused)
Exited (0) About a minute ago
                                                                                                                                                                                                                                                                                        flask-app
vigorous_vara
     ıra
495604ca vahdati/flask-app "python app.py"
ol@ubuntuserver1:~$ docker unpause flask-app
                                                                                                   7 minutes ago
                                                                                                                                  Exited (0) 3 minutes ago
                                                                                                                                                                                                                                                                                        funny_solomor
  oolewoontuserver1. & docker onpubes
sk-app
oolewbuntuserver1:7% docker ps -a
COMMAND
TATNER ID IMAGE
8febf2353 vahdati/flask-app "python app.py"
bbb7a77cf vahdati/flask-app "python app.py"
                                                                                                  CREATED
About a minute ago
4 minutes ago
                                                                                                                                           STATUS
Up About a minute
Exited (0) 2 minutes ago
                                                                                                                                                                                                                                                                                      NAMES
flask-app
vigorous_varah
                                                                                                                                                                                                PORTS
0.0.0.0:5000->5000/tcp, :::5000->5000/tcp
lhira
60e495604ca vahdati/flask-app "python app.py"
asool@ubuntuserver1:~$
                                                                                                8 minutes ago
                                                                                                                                           Exited (0) 4 minutes ago
```

```
rasool@ubuntuserver1:~/exercise_07$ docker save -o flask-app.tar vahdati/flask-app:latest
rasool@ubuntuserver1:~/exercise_07$ cd ..
rasool@ubuntuserver1:~$ mkdir dest-flask-app
rasool@ubuntuserver1:~$ mv /exercise_07/flask-app.tar /dest-flask-app
mv: cannot stat '/exercise_07/flask-app.tar': No such file or directory
rasool@ubuntuserver1:~$ mv ./exercise_07/flask-app.tar ./dest-flask-app
rasool@ubuntuserver1:~$ cd dest-flask-app/
rasool@ubuntuserver1:~/dest-flask-app$ ls
flask-app.tar
rasool@ubuntuserver1:~/dest-flask-app$ docker load -i flask-app.tar
Loaded image: vahdati/flask-app:latest
rasool@ubuntuserver1:~/dest-flask-app$ docker run --name load-flask-app -p 5000:5000 vahdati/flask-app
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

تست اینکه واقعا flask پس از لود مجدد داکر در حال اجرا می باشد:

rasool@ubuntuserver1:~\$ curl http://localhost:5000 Hello from Flask!rasool@ubuntuserver1:~\$ _ (٣

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ri:~$ cd docker_compose/
ri:~%/docker_compose$ docker compose ps
^asool/docker_compose/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusio
                                        COMMAND
"docker-entrypoint.s…"
se-web "python app.py"
                                                                                         CREATED
   r_compose-redis-1 redis:alpine
r_compose-web-1 docker_compose
l@ubuntuserver1:~/docker_compose$
                                                                                                                                  .0.0:6379->6379/tcp, :::6379->6379/tcp
.0.0:5000->5000/tcp, :::5000->5000/tcp
   ol@ubuntuserver1:~/docker_compose$ docker compose down --rmi all
[0000] /home/rasool/docker_compose/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusio
ME IMAGE COMMAND SERVICE CREATED STATUS PORTS
sool@ubuntuserver1:~/docker_compose$
```

به طور کلی در آدرس گوگل درایو زیر سه پوشه وجود دارد، پوشه exercise_07 تمامی کدنویسی های تمرین داکر تا قبل از ایجاد شدن فایل compose می باشد. پوشه docker_compose همان کدهای تمرین پوشه exercise_07 می باشد با این تفاوت که فایل compose هم به عنوان فایل compose اضافه شده است.

پوشه dest-flask-app همان فایل داکر تولید شده و ذخیره شده ای است که قرار بود در تمرین ۴ عملیات ذخیره سازی صورت گیرد. https://drive.google.com/file/d/12gO3OGn9gdIt Ruyl0iJ6ISh2zVN uyZ/view?usp=drive link